

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	62	( peer-to-peer or peer) and (expir\$2 or timeout or (time with out)) and verisign and response and @ad<"20010406"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/15 08:55
L3	99	( peer-to-peer or peer) and (expir\$2 or timeout or (time with out)) and verisign and response	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/15 09:03
L4	70	(peer\$3 or peer-to-peer) and client and server and network\$3 and broadcast and verisign	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/15 09:04
L5	43	3 not L4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/15 09:04
S1	550	(peer\$3 or peer-to-peer) and discovery and client and server and network\$3 and broadcast	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 10:30
S2	50	((peer\$3 or peer-to-peer) and discovery and client and server and network\$3 and broadcast) and message and download and API and verisign	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 09:48
S3	50	((peer\$3 or peer-to-peer) and discovery and client and server and network\$3 and broadcast) and message and download and API and verisign and facilitat\$3 and distribut\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 11:06
S4	3	((peer\$3 or peer-to-peer) and discovery and client and server and network\$3 and broadcast) and message and download and API and verisign and facilitat\$3 and distribut\$3 and expir\$2 and ( random\$2 with generat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 11:09
S5	2388	(peer\$3 or peer-to-peer) and client and server and network\$3 and broadcast	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 11:39
S6	5	((peer\$3 or peer-to-peer) and client and server and network\$3 and broadcast) and message and download and verisign and facilitat\$3 and distribut\$3 and (random\$3 with generat\$3) and expir\$2 and delay	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 10:34

S7	5	((peer\$3 or peer-to-peer) and client and server and network\$3 and broadcast) and message and download and API and verisign and facilitat\$3 and distribut\$3 and expir\$2 and ( random\$2 with generat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/14 17:25
S8	42	((peer\$3 or peer-to-peer) and client and server and network\$3 and broadcast) and message and download and verisign and facilitat\$3 and distribut\$3 and expir\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 11:11
S9	68	(peer\$3 or peer-to-peer) and client and server and network\$3 and broadcast and verisign	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 11:16
S10	49	peer-to-peer and client and server and network\$3 and broadcast and verisign	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 11:16
S11	32	peer-to-peer and client and server and network\$3 and broadcast and (expir\$2 or timeout or (time with out)) and verisign and facilitat\$3 and (delay with response)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 11:49
S12	32	( peer-to-peer or (peer adj to)) and (expir\$2 or timeout or (time with out)) and verisign and facilitat\$3 and (delay with response) and client	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 13:38
S13	2	( peer-to-peer or (peer adj to)) and (expir\$2 or timeout or (time with out)) and verisign and (delay with period) and client and "randomly generated"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 13:40
S14	3	( peer-to-peer or (peer adj to)) and (expir\$2 or timeout or (time with out)) and verisign and (generated with period) and client	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 14:05
S15	11	( peer-to-peer or peer) and (expir\$2 or timeout or (time with out)) and verisign and (generated with period) and client	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 14:35
S16	88	( peer-to-peer or peer) and (expir\$2 or timeout or (time with out)) and verisign and response	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/15 09:00
S17	124	( peer-to-peer or peer) and request and (locat\$3 or obtain\$3 or find) and verisign and response	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 15:48

S18	47	( peer-to-peer or peer) and request and (locat\$3 or obtain\$3 or find) and verisign and response and broadcast and (expiration or expire or expir\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 16:37
S19	62	( peer-to-peer or peer) and (non-receipt or receipt ) and verisign and broadcast and response	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 16:59
S20	1	( "6718469" or "6622150" or "6799197" or "6782527" or "6725377" ) and peer and delay	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 17:04
S21	1	( "6718469" or "6622150" or "6799197" or "6782527" or "6725377" ) and peer and random	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/13 17:13
S22	2406	(peer\$3 or peer-to-peer) and client and server and network\$3 and broadcast	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/14 17:27
S23	68	(peer\$3 or peer-to-peer) and client and server and network\$3 and broadcast and verisign	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/14 17:28
S51	68	( peer-to-peer or peer) and (expir\$2 or timeout or (time with out)) and verisign and response and @ad<"20010802"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/08 10:44
S53	26	( peer-to-peer or peer) and ((expir\$2 or timeout or (time with out)) with server) and verisign and response and @ad<"20010406"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/08 10:48
S54	2	( peer-to-peer or peer) and ((expir\$2 or timeout ) with server) and verisign and response and @ad<"20010406"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/08 10:52
S55	0	( peer-to-peer or peer) and ((expir\$2 or timeout ) with server) and verisign and response and (broadcast\$3 near server) and @ad<"20010406"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/08 10:52
S56	9	( peer-to-peer or peer) and ((expir\$2 or timeout ) with server) and response and (broadcast\$3 near server) and @ad<"20010406"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/08 11:34
S57	1	( peer-to-peer or peer) and ((expir\$2 or timeout ) with server) and (broadcast\$3 near response ) and (broadcast\$3 near server) and @ad<"20010406"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/08 11:37

S58	1	( peer-to-peer or peer) and ((expir\$2 or timeout ) with server) and (broadcast\$3 near response ) and (broadcast\$3 near client) and @ad<"20010406"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/08 11:38
S59	1	"709"/\$.ccls. and ( peer-to-peer or peer) and ((expir\$2 or timeout ) with server) and (broadcast\$3 near response ) and (broadcast\$3 near client) and @ad<"20010406"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/02/08 11:39

**173** Discovering learning patterns from Web logs by concept transformation analysis (poster session)

Chih-Kai Chang

July 2000 **ACM SIGCSE Bulletin , Proceedings of the 5th annual SIGCSE/SIGCUE ITiCSE conference on Innovation and technology in computer science education**, Volume 32 Issue 3

Full text available:  [pdf\(227.34 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**174** Varying the user interaction within multi-agent systems

Terry R. Payne, Katia Sycara, Michael Lewis

June 2000 **Proceedings of the fourth international conference on Autonomous agents**

Full text available:  [pdf\(934.38 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** collaboration, human-agent interaction, interface agents, matchmakers, middle agents, multi-agent teams, task agents

**175** A scalable wireless virtual LAN

Zhao Liu, Malathi Veeraraghavan, Kai Y. Eng

November 1996 **Proceedings of the 2nd annual international conference on Mobile computing and networking**

Full text available:  [pdf\(1.25 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**176** Peer-to-peer infrastructure: Secure routing for structured peer-to-peer overlay networks

Miguel Castro, Peter Druschel, Ayalvadi Ganesh, Antony Rowstron, Dan S. Wallach

December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue S1

Full text available:  [pdf\(1.99 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Structured peer-to-peer overlay networks provide a substrate for the construction of large-scale, decentralized applications, including distributed storage, group communication, and content distribution. These overlays are highly resilient; they can route messages correctly even when a large fraction of the nodes crash or the network partitions. But current overlays are not secure; even a small fraction of malicious nodes can prevent correct message delivery throughout the overlay. This problem ...

**177** System technology: Supporting activity-centric collaboration through peer-to-peer shared objects

Werner Geyer, Jürgen Vogel, Li-Te Cheng, Michael Muller

November 2003 **Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work**

Full text available:  [pdf\(366.92 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a new collaborative technology that is mid-way between the informality of email and the formality of shared workspaces. Email and other ad hoc collaboration systems are typically lightweight and flexible, but build up an unmanageable clutter of



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**161** [Using locality of reference to improve performance of peer-to-peer applications](#)

Marcelo Werneck Barbosa, Melissa Morgado Costa, Jussara M. Almeida, Virgílio A. F. Almeida  
January 2004 **ACM SIGSOFT Software Engineering Notes , Proceedings of the fourth international workshop on Software and performance**, Volume 29 Issue 1

Full text available: [pdf\(1.36 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Peer-to-peer, or simply P2P, systems have recently emerged as a popular paradigm for building distributed applications. One key aspect of the P2P system design is the mechanism used for content location. A number of different approaches are currently in use. In particular, the location algorithm used in Gnutella, a popular and extensively analyzed P2P file sharing application, is based on flooding of messages in the network, which results in significant processing overhead on the participant nod ...

**Keywords:** content location algorithms, interest-based communities, peer-to-peer systems, performance analysis

**162** [Peer-to-peer based recommendations for mobile commerce](#)

Amund Tveit

July 2001 **Proceedings of the 1st international workshop on Mobile commerce**

Full text available: [pdf\(304.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

With the increasing number of mobile commerce facilities, there are challenges in providing customers useful recommendations about interesting products and services.

In this paper a Peer-to-Peer (P2P) based collaborative filtering architecture for the support of product and service recommendations for mobile customers is considered. Mobile customers are represented by software assistant agents that act like peers in the processing of recommendations.

**163** [Posters: A bottom-up combinable name service for Peer-to-Peer network](#)

Yuichi Ueno

November 2002 **Companion of the 17th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**

Full text available: Additional Information:

makes P2P security an important and challenging research topic. Most prior work in P2P security focused on authentication, key management and secure communication. However, an important pre-requisite for many P2P security services is secure admission, or how one becomes a *peer* in a P2P setting. This issue has been he ...

**Keywords:** access control, admission control, group membership, mobile ad-hoc networks, peer-to-peer, performance, security

**104** Special topic section on peer to peer data management: Selective information dissemination in P2P networks: problems and solutions

Manolis Koubarakis, Christos Tryfonopoulos, Stratos Idreos, Yannis Drougas  
September 2003 **ACM SIGMOD Record**, Volume 32 Issue 3

Full text available:  pdf(296.45 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

We study the problem of selective dissemination of information in P2P networks. We present our work on data models and languages for textual information dissemination and discuss a relevant P2P architecture that motivates our efforts. We also survey our results on the computational complexity of three related algorithmic problems (query satisfiability, entailment and filtering) and present efficient algorithms for the most crucial of these problems (filtering). Finally, we discuss the features of ...

**105** Special topic section on peer to peer data management: Relational data sharing in peer-based data management systems

Beng Chin Ooi, Yanfeng Shu, Kian-Lee Tan  
September 2003 **ACM SIGMOD Record**, Volume 32 Issue 3

Full text available:  pdf(69.76 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Data sharing in current P2P systems is very much restricted to file-system-like capabilities. In this paper, we present the strategies that we have adopted in our BestPeer project to support more fine-grained data sharing, especially, relational data sharing, in a P2P context. First, we look at some of the issues in designing a peer-based data management system, and discuss some possible solutions to address these issues. Second, we present the design of our first prototype system, PeerDB, and r ...

**106** Using mobile agents for network resource discovery in peer-to-peer networks

Cameron Ross Dunne  
June 2001 **ACM SIGecom Exchanges**, Volume 2 Issue 3

Full text available:  pdf(42.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Peer-to-Peer networks continue to grow in popularity. However network resource discovery still remains a substantial problem within them. In this paper we will cover some of the more popular current solutions to this problem. We will then propose a mobile agent based solution to allow for dynamic network resource discovery.

**Keywords:** Peer-to-Peer, mobile agents, resource discovery

**107** Student posters from SIGCOMM 2001: Enabling efficient content location and retrieval in peer-to-peer systems by exploiting locality in interests

Kunwadee Sripanidkulchai, Bruce Maggs, Hui Zhang  
January 2002 **ACM SIGCOMM Computer Communication Review**, Volume 32 Issue 1

Full text available:  pdf(117.09 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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Parallel Processing Workshops, 2003. Proceedings. 2003 International Conference on , 6-9 Oct. 2003

Pages:21 - 28

[\[Abstract\]](#) [\[PDF Full-Text \(344 KB\)\]](#) **IEEE CNF**
**2 The cost of application-level broadcast in a fully decentralized peer-peer network***Portmann, M.; Seneviratne, A.;*

Computers and Communications, 2002. Proceedings. ISCC 2002. Seventh International Symposium on , 1-4 July 2002

Pages:941 - 946

[\[Abstract\]](#) [\[PDF Full-Text \(282 KB\)\]](#) **IEEE CNF**
**3 Lightweight probabilistic broadcast***Eugster, P.T.; Guerraoui, R.; Handurukande, S.B.; Kermarrec, A.-M.; Kouznetsov, P.;*

Dependable Systems and Networks, 2001. Proceedings. The International Conference on , 1-4 July 2001

Pages:443 - 452

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